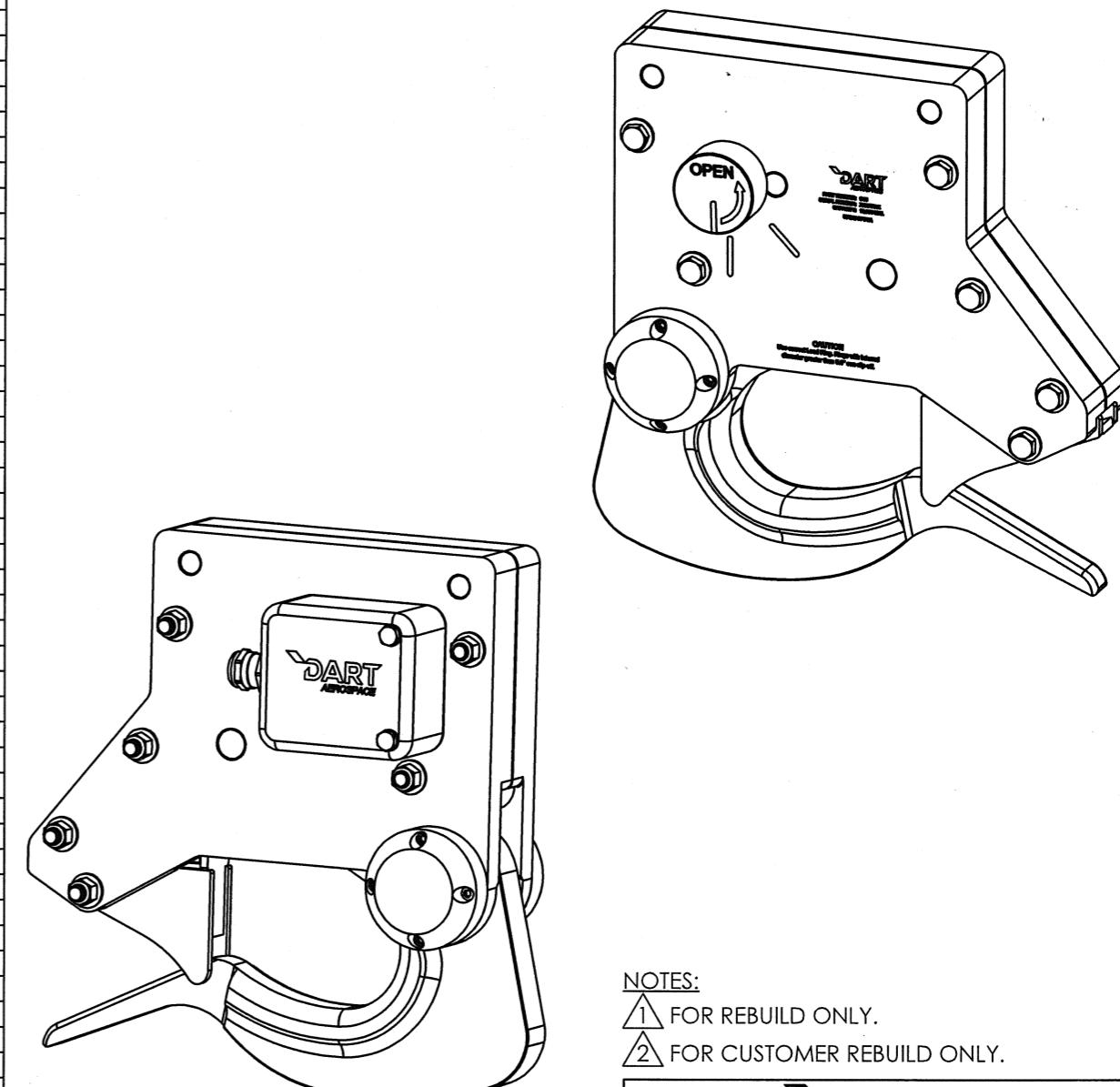


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# SEE ATTACHED DEVIATION

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			C10-1	1	SIDE PLATE SOLENOID SIDE			2
			C10-2	1	SIDE PLATE - MRK			2
			C10-3	1	LOAD BEAM BUMPER			3
			C10-4	1	LOCK	4140/4142		3
			C10-4-2	1	LOWER LOCK ROLLER	4140/4142		3
			C10-4-3	1	UPPER LOCK ROLLER	4140/4142		3
			C10-4-4	1	UPPER LOCK ROLLER SHAFT	4140/4142		3
			C10-4-5	1	LOWER LOCK ROLLER SHAFT	4140/4142		3
		B/O	C10-4-6	1	LOCK SPRING	STEEL	Ø1/4 X Ø.029 WIRE X 2-1/2, 3.36 LB MAX, 1.27 LBS/IN (MCMASTER-CARR #9654K115)	3
		B/O	C10-4-7	1	SPRING RETAINING PIN	STEEL	Ø3/16 X 1-1/8 (MCMASTER-CARR #98381A511)	3
			C10-4-8	2	LOCK BUSHING	4140/4142		3
		B/O	C10-4-9	1	UPPER ROLLER DU BEARING		(06DU12)	3
		B/O	C10-4-10	2	SPRING ANCHOR SPRING PIN	STEEL	Ø3/16 X 1-3/4 (MCMASTER-CARR #90692A729)	3
			C10-4-11	1	LOCK SHAFT	4140/4142		3
		B/O	C3-12-6	2	LOCK ROLLER RETAINING RING	STEEL	Ø 3/8 (KAMAN #5100-0037-SPP)	3
		B/O	C45-12-6	2	RETAINING RING	STEEL	(KAMAN #N1400-0050)	3
			C10-5A	1	LOAD BEAM ASSEMBLY			2
		B/O	C10-7	3	LOCATING PIN	STEEL	Ø1/4 X 1-1/4 (MCMASTER-CARR #98381A544)	3
			C10-8	2	TRUNNION BUSHING	4140/4142		2
			C10-9-1	1	LATCH	4140/4142		3
		B/O	C10-9-2	1	LATCH BEARING		(TORRINGTON #6NBC914Y2P)	3
			C10-9-4	2	LATCH SHAFT BUSHING	4140/4142		3
			C10-9-5	1	LATCH SHAFT	4140/4142		3
		B/O	C10-9-6	2	LATCH RETURN SPRING	STEEL	Ø3/8 X Ø.035 WIRE X 2.25, 3.80 LB MAX, 1.25 LBS/IN (MCMASTER-CARR #9654K193)	3
			C10-10-1	1	ACTUATOR SHAFT	4140/4142		3
		B/O	C10-10-2	1	ACTUATOR PIN	STEEL	Ø1/4 X 1-1/2 (MCMASTER-CARR #98296A930)	3
		B/O	C10-10-3	2	ACTUATOR BUSHING		(KAMAN #SF-2028-10)	3
			C10-11	1	MANUAL RELEASE KNOB	6061		2
			C10-12	1	SOLENOID ASSY			2
			C45-8-4	1	SOLENOID COVER GASKET	BLENDED RUBBER		2
			C45-8-5	1	SOLENOID COVER	6061		2
			C10-21-1	2	CLOCK SPRING	301		2
			C10-21-2	2	SPRING COVER	6061		2
		B/O	C10-21-4	8	LOCK WASHER	STEEL	# 10 LOCK WASHER (MCMASTER-CARR #91102A740)	2
			C10-22	3	BUMPER	POLYURETHANE		3
			C10-23	1	KEEPER WELDMENT			2
			C10-23-1	1	KEEPER SPACER	1018/1020		2
		B/O	C10-23-2	1	KEEPER SPRING	SS 303	Ø.102 X 12 DENDOFF	2
			C10-23-3	2	KEEPER BUSHING	SINTERED BRONZE	(SYMMCO SS-2028-32) MODIFIED	2
		B/O	C10-41	1	STRAIN RELIEF CONNECTOR	BRASS	1/2 TRADE SIZE (MCMASTER-CARR #6907K14)	2
		B/O	188-FPSS-1032-1/4	2	SET SCREW	S.S.	10-32 X 1/4 (MCMASTER-CARR #94355A330)	2
		B/O	188-FPSS-1/4 20-3/8	2	SET SCREW	S.S.	1/4-20 (MCMASTER-CARR #92313A535)	2
		B/O	188-SHCS-1032-3/4	8	BOLT	STEEL	SHCS 10-32 X 3/4 (MCMASTER-CARR #90128A945)	2
		B/O	AN4-24A	2	BOLT	STEEL	1/4-28 X 2.53	2
		B/O	AN6-31A	6	BOLT	STEEL	3/8-24	2
		B/O	AN960-416	3	WASHER	STEEL	1/4	2
		B/O	AN960-416L	2	WASHER	STEEL	Ø1/4	2
		B/O	AN960-616L	12	WASHER	STEEL	Ø3/8	2
		B/O	MS21083N4	2	NYLOCK NUT	STEEL	1/4-28 LOW PROFILE	2
		B/O	MS21044N6	6	LOCK NUT	STEEL	3/8-24	2
		B/O	MS27039-4-08	1	SCREW	STEEL	1/4-28 X 17/32	2
			600.1309	1	LABEL	ALUMINUM		N/S
			600.1309-A	1	LABEL	ALUMINUM		N/S
		B/O	600.1347	1	C10 WARNING LABEL	VINYL	SIGNS NOW	N/S
		B/O	C2-14-2	2	LABEL RIVETS	18-8 S.S.	NO 4 (MCMASTER-CARR #91654A106)	N/S
		B/O	EL-PLUG-M	1	MALE PLUG	PE High Density	(MCMASTER-CARR #7216K5)	2
			EL314-SJTOW	1	ELECTRICAL WIRE 3/14 SJTOW			2
		B/O	32448	2	16-14 AWG KNIFE CONNECTOR		(ALLIED ELECTRONICS 32448)	2
		B/O		1	HEAT SHRINK TUBE	RUBBER	(MCMASTER-CARR #2595K2)	N/S

REVISONS			
REV	ECR	DESCRIPTION	DATE
1	14-0219	DELETED C2-14-2, 600.1309, 600.1347.	11/20/2014
2	15-0072	UPDATED TO NEW DRAFTING STANDARDS. ADDED C2-14-2, 600.1309, 600.1309-A, 600.1347. 32448 DELETED. CH'D P/N'S WAS C10-4-12 IS C3-12-6, WAS C10-4-13 IS C45-12-6, WAS C10-12-2 IS MS21083N4, WAS C10-24 IS AN960-616L. ADDED REBUILD ONLY NOTES. ADDED ENGRAVING NOTES AND DETAILS.	3/31/2015
3	15-0254	C10-9-3 REPLACED W/ 188-FPSS-1032-1/4, C10-11-1 REPLACED W/ 188-FPSS-1/4 20-3/8. C10-21-3 REPLACED W/ 188-SHCS-1032-3/4. 32448 REPLACED W/ 32448.	9/9/2015
D		P/N WAS AN4-23A IS AN4-24A AND DESCRIPTION WAS 1/4-28 X 2.41 IS 1/4-28 X 2.53	5/07/2019



**DART AEROSPACE**

**C10 HOOK ASSEMBLY**

**DWG NO.** C10 **REV** D

**MATL** DRAWN BY: CANAM

UNLESS OTHERWISE SPECIFIED APPROVED

DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8

.XX ± .01 ANGLES ± 5°

.X ± .1 FINISH

1. BREAK ALL SHARP EDGES .015" OR .015R SPEC

2. DIMENSIONAL LIMITS APPLY AFTER PLATING USED ON MODEL

SCALE 1:4 DATE SHEET 1 OF 4

NOTES:

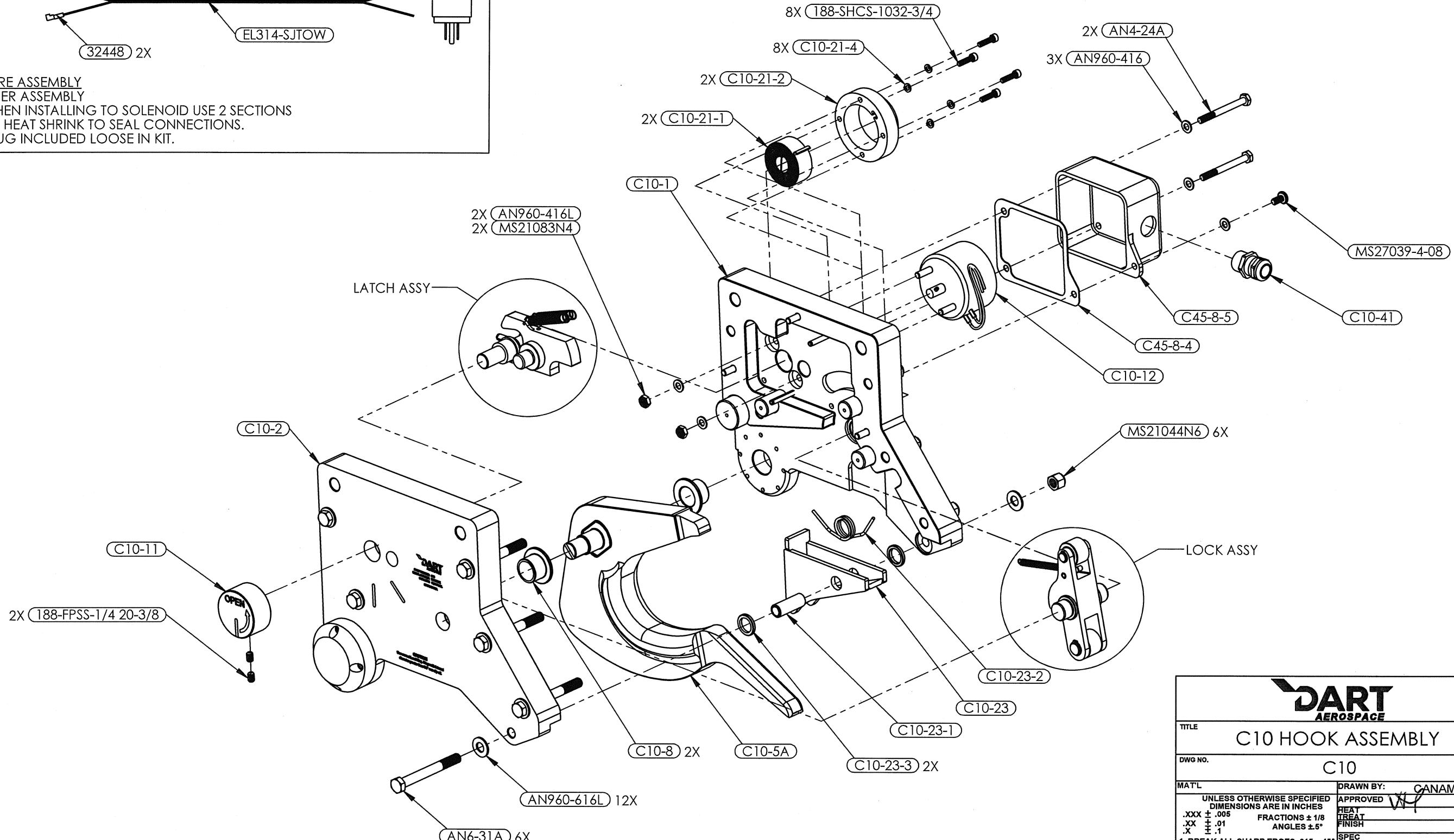
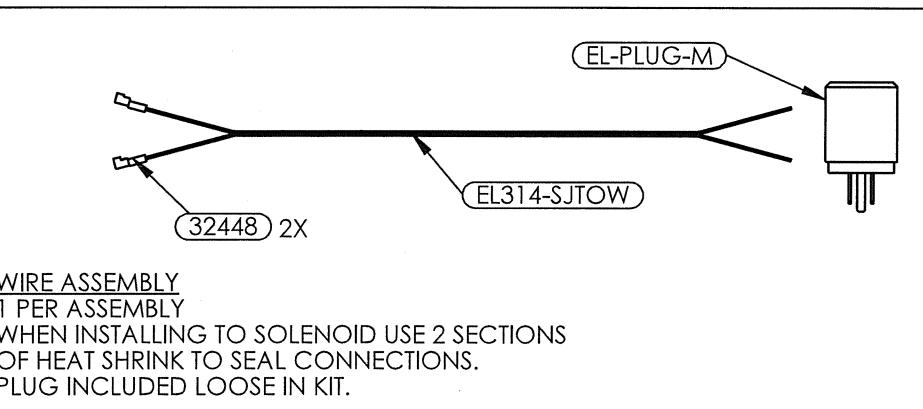
1 FOR REBUILD ONLY.

2 FOR CUSTOMER REBUILD ONLY.

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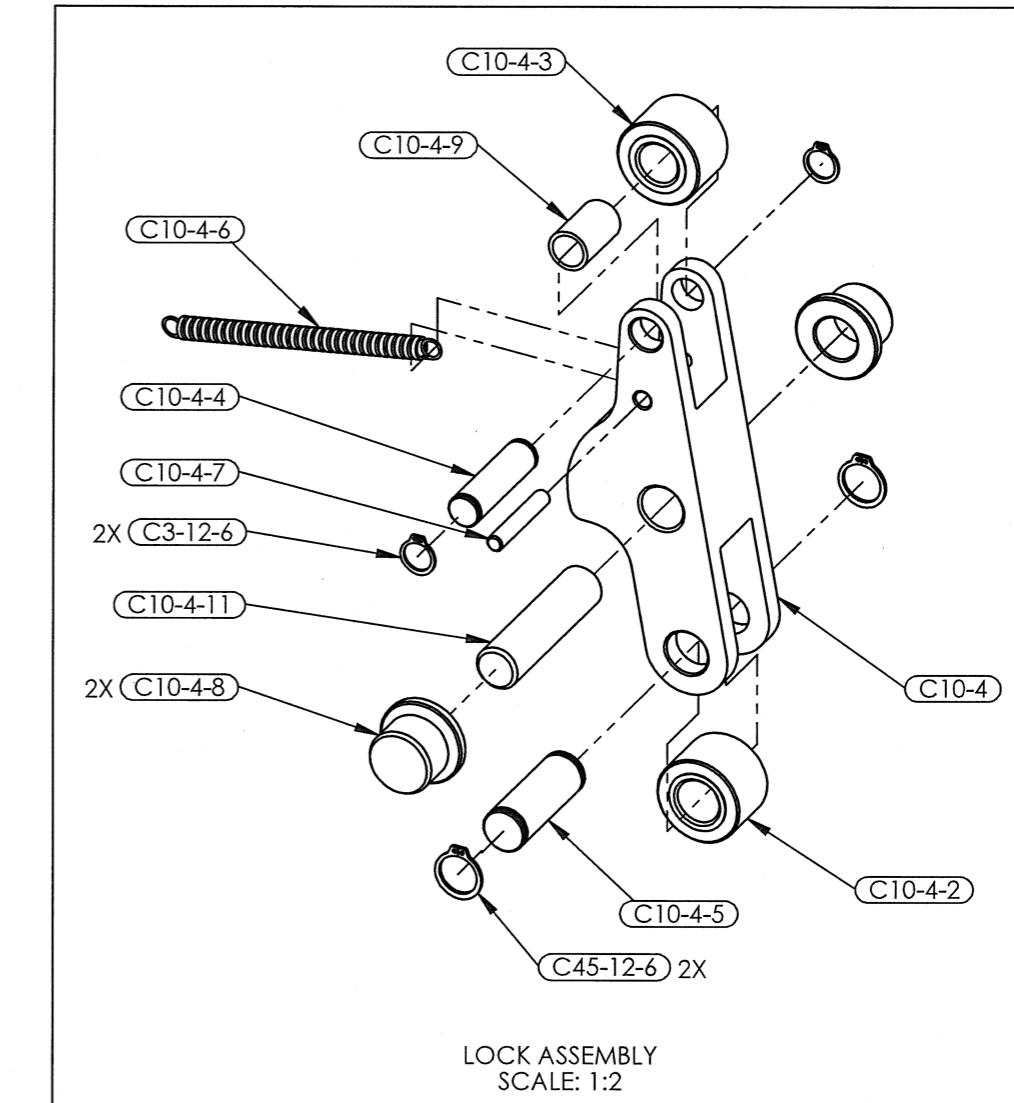
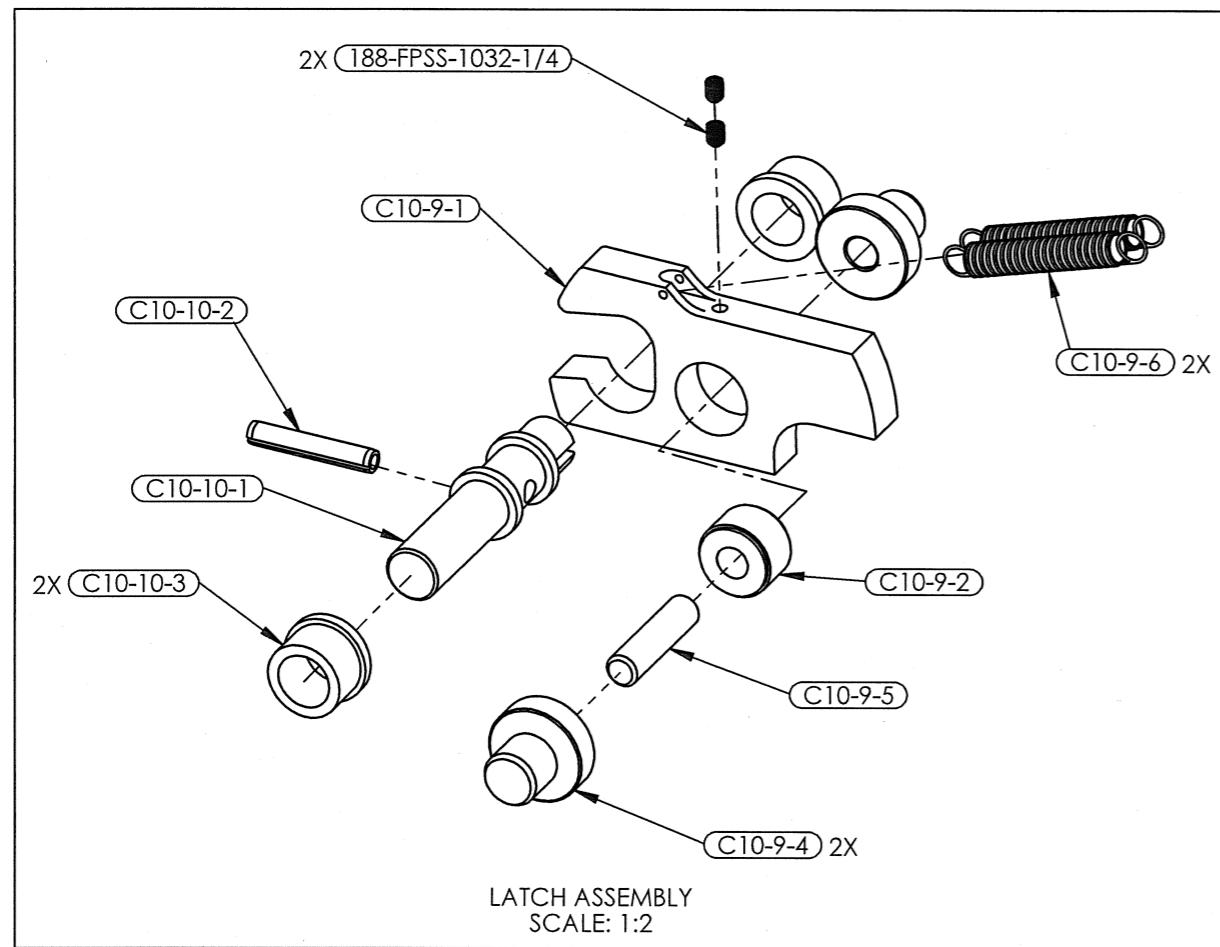
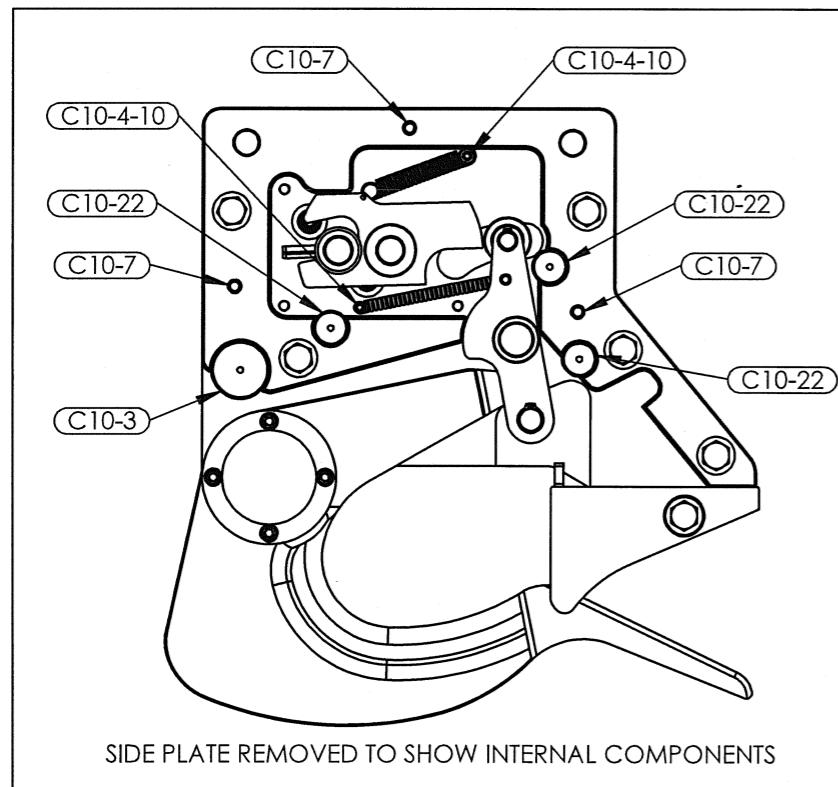
REVIEWS			
REV	ECR	DESCRIPTION	DATE
1	14-0219	DELETED C2-14-2, 600.1309, 600.1347.	11/20/2014 RJC JAG

**SEE ATTACHED DEVIATION**



<b>DART</b> AEROSPACE	
<b>C10 HOOK ASSEMBLY</b>	
DWG NO.	C10
REV	D
MATL	DRAWN BY: CANAM
UNLESS OTHERWISE SPECIFIED	APPROVED
DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/8
.XX ± .01	HEAT TREAT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:4	DATE
	SHEET 2 OF 4

# SEE ATTACHED DEVIATION

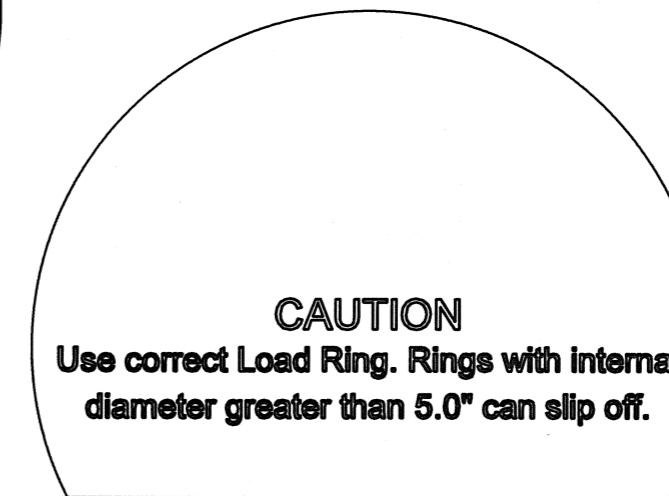
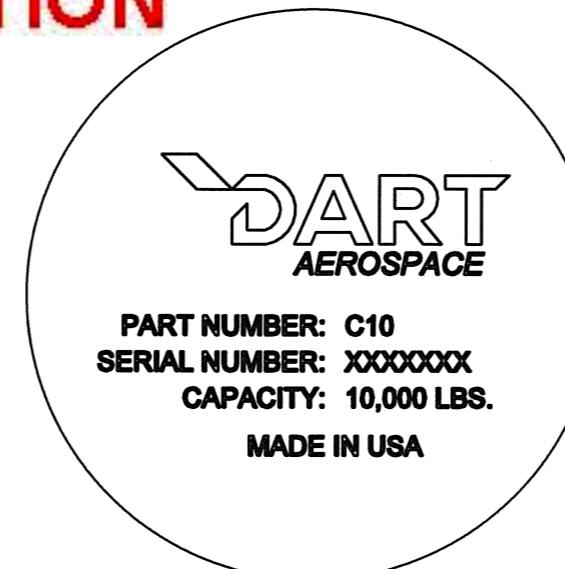
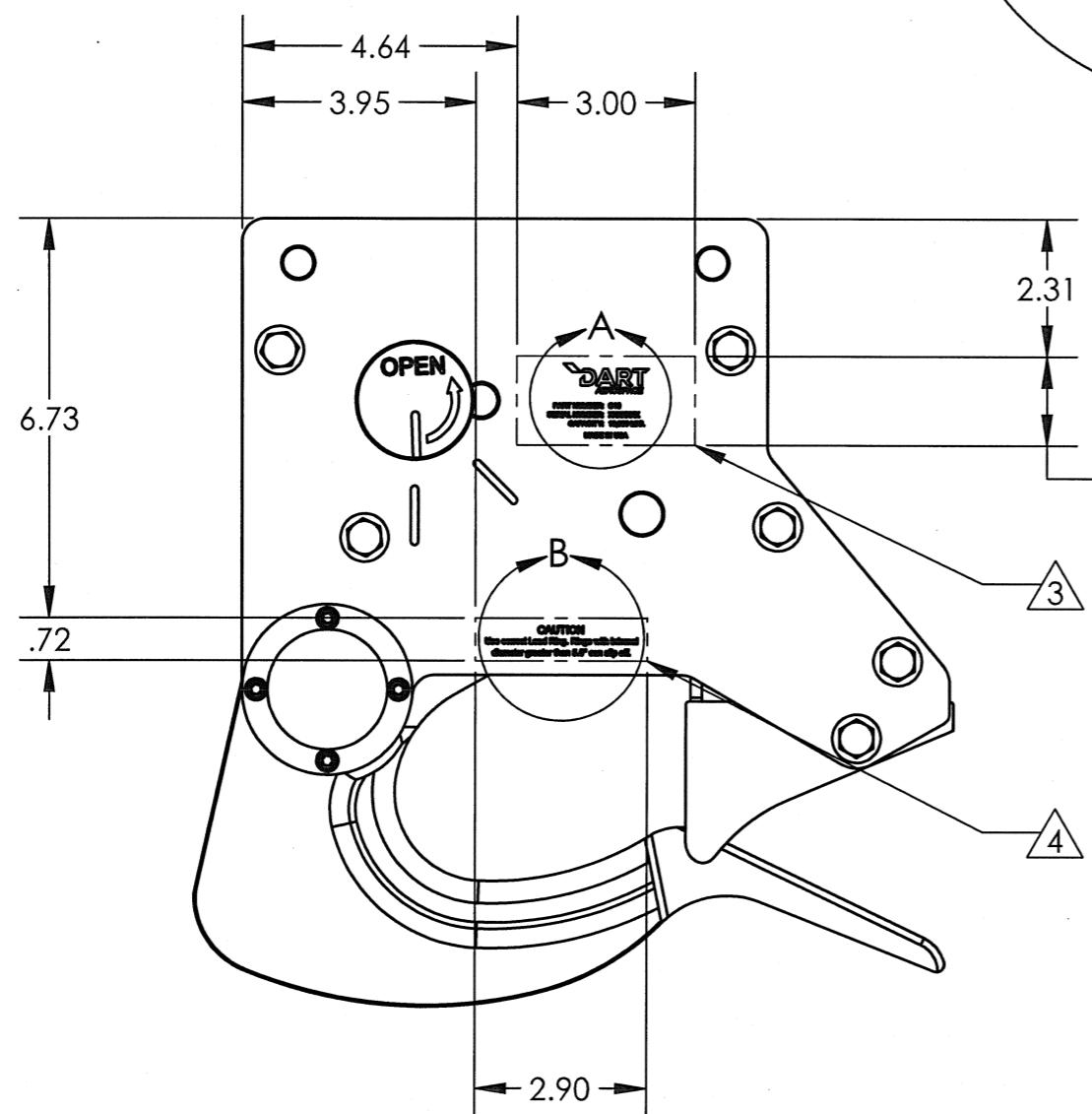


<b>DART</b> AEROSPACE	
<b>TITLE</b>	<b>C10 HOOK ASSEMBLY</b>
<b>DWG NO.</b>	<b>C10</b>
<b>REV</b>	<b>D</b>
<b>MATL</b>	<b>DRAWN BY:</b> CANAM
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX $\pm$ .005	FRACTIONS $\pm$ 1/8
.XX $\pm$ .01	ANGLES $\pm$ 5°
.X $\pm$ .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
<b>SCALE</b>	<b>1:4</b>
<b>DATE</b>	
<b>SHEET 3 OF 4</b>	

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REV		ECR	DESCRIPTION		DATE	INITIAL	APPROVED
2	15-0072		ADDED ENGRAVING NOTES AND DETAILS.		3/31/2015	DPD	JAG

**SEE ATTACHED DEVIATION**



DETAIL B  
SCALE 1 : 1

NOTES:

- 3 LASER ENGRAVE DART LOGO, P/N, S/N, "MADE IN USA," WITHIN BOUNDARY.
- 4 LASER ENGRAVE CAUTION NOTE, WITHIN BOUNDARY.

<b>DART</b> AEROSPACE	
<b>C10 HOOK ASSEMBLY</b>	
<b>TITLE</b>	<b>DWG NO.</b>
	<b>C10</b>
<b>MAT'L</b>	<b>DRAWN BY:</b>
UNLESS OTHERWISE SPECIFIED	APPROVED
DIMENSIONS ARE IN INCHES	HEAT
.XXX ± .005	TREAT
.XX ± .01	FINISH
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b>	<b>DATE</b>
1:4	
<b>SHEET 4 OF 4</b>	

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only 

Job: _____  Part No. C series hooks and SWA Swivels		DISPOSITION	DEPARTMENT/PROCESS			
		<input type="checkbox"/> Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is	<input type="checkbox"/> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Large Fab	<input type="checkbox"/> Cross tube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing	<input type="checkbox"/> Eng. (Non-AW) <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging	<input checked="" type="checkbox"/> Engineering <input type="checkbox"/> Water Jet <input type="checkbox"/> Supplier <input type="checkbox"/> Quality
Date : _____	Sequence #: _____	QTY Affected : _____			MRB (QSI042) May, 9 2019 <i>M. Lee</i>	
Description Work Order Deviation		Disposition				
The electrical wires listed under "Acceptable Alternate Wire" on the attached sheet are acceptable to use in place of the "Drawing Specified Wire"		This deviation is acceptable.  No change to fit form or function.  The job route must specify the wire that is called out on the drawing  The inventory P/N must reflect the same P/N that was received from a vendor				
Root Cause		FAULT CATEGORY				
Operator	<input type="checkbox"/>	Pressure/Forced	<input type="checkbox"/>	Contamination	<input type="checkbox"/>	Power Loss/Surge
Manufacturing Process	<input type="checkbox"/>	Bending	<input type="checkbox"/>	Misaligned/off center	<input type="checkbox"/>	Positioned Wrong
Equip/Tooling	<input type="checkbox"/>	Crushing	<input type="checkbox"/>	BOM/Route	<input type="checkbox"/>	Outside Tolerance
Handling/Preservation	<input type="checkbox"/>	Cracks	<input type="checkbox"/>	Broken/Damage/Defect	<input type="checkbox"/>	Drawing
Material	<input type="checkbox"/>	Crimp/Kink/Ripple/Wave/Twist	<input type="checkbox"/>	Incomplete/Unclear Instructions	<input type="checkbox"/>	Finish
Product Improvement	<input checked="" type="checkbox"/>	Marks/Chatter	<input type="checkbox"/>	Drill Holes	<input type="checkbox"/>	Part Lost/Missing
Process Improvement	<input type="checkbox"/>	Mislabeled	<input type="checkbox"/>	Fit/Function	<input type="checkbox"/>	Misread
Human Factors	<input type="checkbox"/>	Other/Details: _____				

<b>P/N</b>	<b>Revision</b>	<b>Drawing Specified Wire</b>	<b>Acceptable Alternate Wire</b>
C2	2	MIL-C-27500 11-14416	N/A
C3	2	MIL-C-27500 11-14417	N/A
C10	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C15	2	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C20	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C45	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C60	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C250	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-2	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-3	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-4	3	EL 414-ARTIC 4/14	Texcan 01121-744A5
SWA6A-2	E	Texcan 01121-724AM	N/A
SWA6A-3	E	Texcan 01121-734A5 or 01004-08-047	N/A
SWA6A-4	E	Texcan 01121-744A5	N/A
SWA6A-6	E	Texcan 04121-764A5	N/A
SWA6A-8	E	Texcan 12701-08-014 or McMaster 7081K38	N/A
SWA10A-2	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA10A-3	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA10A-4	3	EL 414 ARTIC 4/14	Texcan 01121-744A5
SWA10A-6	3	EL 616 ARTIC	Texcan 04121-764A5
SWA10A-8	3	Polar Wire 30806	Texcan 12701-08-014 or McMaster 7081K38
SWA15A-2	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA15A-3	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA15A-4	1	EL 414 ARTIC 4/14	Texcan 01121-744A5
SWA15A-6	1	EL 616 ARTIC	Texcan 04121-764A5
SWA15A-8	1	EL 816 ARTIC	Texcan 12701-08-014 or McMaster 7081K38
SAW25A-2	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SAW25A-3	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SAW25A-4	1	EL 414 ARTIC 4/14	Texcan 01121-744A5
SAW25A-6	1	EL 616 ARTIC	Texcan 04121-764A5
SAW25A-8	1	EL 816 ARTIC	Texcan 12701-08-014 or McMaster 7081K38